



SEQUENCE LISTING

<110> KIRIN BEER KABUSHIKI KAISHA

<120> ANTI TRAIL-R ANTIBODY

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic DNA

<400> 1

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 2

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48

<210> 3

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic DNA

<400> 3

cacgaattcg ccaccatgga acaacgggga cag

33

<210> 4

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic DNA

<400> 4

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48

<210> 5

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 5

ttctacgagc ggcttatcac agcctctcc tctgaga

37

<210> 6
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<223> Description of Artificial Sequence:Synthetic DNA

<400> 6
ttctacgagc ggccgc^{ttat} cacaagtctg caaagtcatc 40

<210> 7
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<223> Description of Artificial Sequence:Synthetic DNA

<400> 7
ggtccgggag atcatgaggg tgc^ctt 27

<210> 8
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 8
gtgcacgccc ctggtcaggg cgcc^tg 26

<210> 9
<211> 23
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic DNA

<400> 9

ggtgccagg ggaagaccga tgg

23

<210> 10

<211> 34

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 10

atatagatct ctcaagttagg acccagaggg aacc

34

<210> 11

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 11

gatggccct tggtgctagc tgaggagacg g

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<210> 12

<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 12

gttgaagtc ttgtgacgg gcgagc

26

<210> 13
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<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 13
tggcgggaag atgaagacag atggtg 26

<210> 14
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<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 14
atatgtcgac tacggggggg ctttctgaga gtc 33

<210> 15
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<223> Description of Artificial Sequence:Synthetic DNA

<400> 15
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<210> 16
<211> 467
<212> DNA
<213> Homo sapiens

<400> 16

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<210> 17

<211> 146

<212> PRT

<213> Homo sapiens

<400> 17

Met Asp Leu Met Cys Lys Lys Met Lys His Leu Trp Phe Phe Leu Leu
1 5 10 15

Leu Val Ala Ala Pro Arg Trp Val Leu Ser Gln Leu Gln Leu Gln Glu
20 25 30

Ser Gly Pro Gly Leu Val Lys Pro Ser Glu Thr Leu Ser Leu Thr Cys
35 40 45

Thr Val Ser Gly Gly Ser Ile Ile Ser Lys Ser Ser Tyr Trp Gly Trp
50 55 60

Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Ser Ile Tyr
65 70 75 80

Tyr Ser Gly Ser Thr Phe Tyr Asn Pro Ser Leu Lys Ser Arg Val Thr
85 90 95

Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu Ser Ser
100 105 110

Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Leu Thr Val
115 120 125

Ala Glu Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
130 135 140

Ala Ser
145

<210> 18
<211> 421
<212> DNA
<213> Homo sapiens

<400> 18
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caccctgtct ttgtctccag gggaaagagc caccctctcc tgcagggcca gtcagagtgt 180
tagcagcttc ttagcctggt accaacadaga acctggccag gtcagccatc 240
tgcatcc aacaggccca ctggcatccc agccaggttc agtggcagtg ggtctgggac 300
gacttcaact ctcaccatca gcagcctaga gcctgaagat ttgcagttt attactgtca 360
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421
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<210> 19
<211> 129
<212> PRT
<213> Homo sapiens

<400> 19
Met Glu Ala Pro Ala Gln Leu Leu Phe Leu Leu Leu Trp Leu Pro
1 5 10 15
Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser
20 25 30
Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
35 40 45
Val Ser Ser Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
50 55 60
Arg Leu Leu Ile Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
85 90 95

Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Ser
100 105 110

Asn Trp Pro Leu Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
115 120 125

Thr

<210> 20

<211> 467

<212> DNA

<213> Homo sapiens

<400> 20

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aggagtcggg cccagactg gtgaagccct cggagaccct gtccctacc tgcactgtct 180
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aggggctgga gtggattggg aatgtctatt atagagggag cacctactac aattcgtccc 300
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gctctgtgac cgtcgagac acggctgtgt attactgtgc gagactgtca gtggctgagt 420
ttgactactg gggccaggaa atcctggta ccgtctccctc agcttagc 467

<210> 21

<211> 146

<212> PRT

<213> Homo sapiens

<400> 21

Met Asp Leu Met Cys Lys Lys Met Lys His Leu Trp Phe Phe Leu Leu
1 5 10 15

Leu Val Ala Ala Pro Arg Trp Val Leu Ser Gln Leu Gln Leu Gln Glu
20 25 30

Ser Gly Pro Gly Leu Val Lys Pro Ser Glu Thr Leu Ser Leu Thr Cys

35	40	45	
Thr Val Ser Gly Gly Ser Ile Ser Ser Arg Ser Asn Tyr Trp Gly Trp			
50	55	60	
Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Asn Val Tyr			
65	70	75	80
Tyr Arg Gly Ser Thr Tyr Tyr Asn Ser Ser Leu Lys Ser Arg Val Thr			
85	90	95	
Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu Ser Ser			
100	105	110	
Val Thr Val Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Leu Ser Val			
115	120	125	
Ala Glu Phe Asp Tyr Trp Gly Gln Gly Ile Leu Val Thr Val Ser Ser			
130	135	140	
Ala Ser			
145			

<210> 22

<211> 417

<212> DNA

<213> Homo sapiens

<400> 22

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ctgtctttgt ctccaggggaa aagagccacc ctctcttgta gggccagtca gagtgttagc 180
agcttcttag cctggatcca acagaaacct ggcaggctc ccaggctct catctatgat 240
gcataccaaca gggccactgg cagccccagcc aggttcagtg gcagtgggtc tgggacagac 300
ttcactctca ccatcagcag cctagagcct gaagatttg cagtttatta ctgtcagcag 360
cgtagcgact ggcctctcac ttcggccct gggaccaaag tggatatcaa acgtacg      417

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<210> 23

<211> 129

<212> PRT

<213> Homo sapiens

<400> 23

Met Glu Ala Pro Ala Gln Leu Leu Phe Leu Leu Leu Trp Leu Pro
1 5 10 15

Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser
20 25 30

Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
35 40 45

Val Ser Ser Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
50 55 60

Arg Leu Leu Ile Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ser Pro Ala
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
85 90 95

Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Ser
100 105 110

Asp Trp Pro Leu Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
115 120 125

Thr

<210> 24

<211> 490

<212> DNA

<213> Homo sapiens

<400> 24

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caagagtcga gtcaccattt ccgttagacac gtccaaagaac cagttctccc tgaagctgag 360
ctctgtgacc gccgcagaca cgactgtgta ttactgtcg agacagggt ctactgtgg 420
tcggggagtt tactactacg gatatggacgt ctggggccaa gggaccacgg tcaccgtctc 480
ctcagctagc 490

<210> 25
<211> 154
<212> PRT
<213> Homo sapiens

<400> 25
Met Asp Leu Met Cys Lys Lys Met Lys His Leu Trp Phe Phe Leu Leu
1 5 10 15

Leu Val Ala Ala Pro Arg Trp Val Leu Ser Gln Leu Gln Leu Gln Glu
20 25 30

Ser Gly Pro Gly Leu Val Lys Pro Ser Glu Thr Leu Ser Leu Thr Cys
35 40 45

Thr Val Ser Gly Gly Ser Ile Ser Ser Ser Tyr Tyr Trp Gly Trp
50 55 60

Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Ser Ile His
65 70 75 80

Tyr Ser Gly Ser Thr Phe Tyr Asn Pro Ser Leu Lys Ser Arg Val Thr
85 90 95

Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu Ser Ser
100 105 110

Val Thr Ala Ala Asp Thr Thr Val Tyr Tyr Cys Ala Arg Gln Gly Ser
115 120 125

Thr Val Val Arg Gly Val Tyr Tyr Gly Met Asp Val Trp Gly Gln
130 135 140

Gly Thr Thr Val Thr Val Ser Ser Ala Ser
145 150

<210> 26
<211> 423
<212> DNA
<213> Homo sapiens

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acg 423

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<211> 131
<212> PRT
<213> Homo sapiens

<400> 27
Met Glu Thr Pro Ala Gln Leu Leu Phe Leu Leu Leu Trp Leu Pro
1 5 10 15

Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser
20 25 30

Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
35 40 45

Val Ser Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala
50 55 60

Pro Arg Leu Leu Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro
65 70 75 80

Asp Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
85 90 95

Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr

100

105

110

Gly Ser Ser Pro Leu Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile

115

120

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Lys Arg Thr

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<210> 28

<211> 489

<212> DNA

<213> Homo sapiens

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ctgggtcagt ctggggctga gatgaagaag cctggggctt cagtcagggt ctccctgcaag 180
acttctggat acacccctcac caattataag atcaactggg tgcgcacaggc ccctggacaa 240
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gcgcgcctga gatctgagga cacggccgtt tattactgtt cgagatccta tggttcgccc 420
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gtctccctca

489

<210> 29

<211> 145

<212> PRT

<213> Homo sapiens

<400> 29

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1

5

10

15

Ala His Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Met Lys Lys

20

25

30

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Thr Phe

35

40

45

Thr Asn Tyr Lys Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu

50

55

60

Glu Trp Met Gly Trp Met Asn Pro Asp Thr Asp Ser Thr Gly Tyr Pro
65 70 75 80

Gln Lys Phe Gln Gly Arg Val Thr Met Thr Arg Asn Thr Ser Ile Ser
85 90 95

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val
100 105 110

Tyr Tyr Cys Ala Arg Ser Tyr Gly Ser Gly Ser Tyr Tyr Arg Asp Tyr
115 120 125

Tyr Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser
130 135 140

Ser
145

<210> 30
<211> 417
<212> DNA
<213> Homo sapiens

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accctgtctt tgtctccagg ggaaagagcc accctctct gcagggccag tcagagtgtt 180
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gacttcactc tcaccatcag cagcctagag cctgaagatt ttgcagtttta ttactgtcag 360
cagcgttagca actggccgct cactttcgcc ggagggacca aggtggagat caaacgaa 417

<210> 31
<211> 128
<212> PRT
<213> Homo sapiens

<400> 31

Met-Glu Ala Pro Ala Gln Leu Leu Phe Leu Leu Leu Trp Leu Pro
1 5 10 15

Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser
20 25 30

Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
35 40 45

Val Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
50 55 60

Arg Leu Leu Ile Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
85 90 95

Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Ser
100 105 110

Asn Trp Pro Leu Thr Phe Gly Gly Thr Lys Val Glu Ile Lys Arg
115 120 125

<210> 32

<211> 497

<212> DNA

<213> Homo sapiens

<400> 32

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taaaaggtgt ccagtgtgag gtacagctgt tggagtctgg gggaggcttgc ttagcgc 180
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ccaagaacac gctgtatctg caaatgaaca gcctgagacgc cgaggacacgc gccgttatatt 420
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tggtcaccgt ctccctca 497

<210> 33

<211> 139

<212> PRT

<213> Homo sapiens

<400> 33

Met Glu Phe Gly Leu Ser Trp Leu Phe Leu Val Ala Ile Leu Lys Gly
1 5 10 15

Val Gln Cys Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln
20 25 30

Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
35 40 45

Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
50 55 60

Glu Trp Val Ser Ala Ile Ser Gly Ser Gly Gly Ser Arg Tyr Tyr Ala
65 70 75 80

Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn
85 90 95

Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
100 105 110

Tyr Tyr Cys Ala Lys Glu Ser Ser Gly Trp Phe Gly Ala Phe Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
130 135

<210> 34

<211> 446

<212> DNA

<213> Homo sapiens

<400> 34

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cagatcagtc tccaaagctc ctcataagt atgcttccca gtcctctca ggggtcccct 300
cgagggtcag tggcagtgg a tctggacag atttcaccc caccatcaat agcctggaag 360
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aaggacacg actggagatt aaacga 446

<210> 35

<211> 127

<212> PRT

<213> Homo sapiens

<400> 35

Met Ser Pro Ser Gln Leu Ile.Gly Phe Leu Leu Leu Trp Val Pro Ala
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Ser Arg Gly Glu Ile Val Leu Thr Gln Ser Pro Asp Phe Gln Ser Val
20 25 30

Thr Pro Lys Glu Lys Val Thr Ile Cys Arg Ala Ser Gln Ser Ile
35 40 45

Gly Ser Ser Leu His Trp Tyr Gln Gln Lys Pro Asp Gln Ser Pro Lys
50 55 60

Leu Leu Ile Lys Tyr Ala Ser Gln Ser Phe Ser Gly Val Pro Ser Arg
65 70 75 80

Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Asn Ser
85 90 95

Leu Glu Ala Glu Asp Ala Ala Tyr Tyr Cys His Gln Ser Ser Ser
100 105 110

Leu Pro Ile Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg
115 120 125

<210> 36

<211> 31

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 36
tcttgtccac cttgggtgttgc tgggcttgt g 31

<210> 37
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 37
aggcacacaa cagaggcagt tccagattc 30

<210> 38
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 38
gattttaggtg acactatacg 19

<210> 39
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 39
taatacgact cactataggg 20

<210> 40
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<212> DNA
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<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 40
atcacagatc tctcaccatg gaagccccag ctcagcttct c 41

<210> 41
<211> 33
<212> DNA
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<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 41
ggtgtcagcca ccgtacgttt gatctccacc ttg 33

<210> 42
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 42
gcgactaagt cgacaccatg gactggacct ggaggatc 38

<210> 43
<211> 32

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 43
agagagagag gctagctgag gagacgggtga cc 32

<210> 44
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 44
ggtacgtgaa ccgtcagatc gcctgga 27

<210> 45
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 45
tctatataag cagagctggg tacgtcc 27